



GAS HOT WATER

EXTERNAL GAS HOT WATER UNIT

INSTALLATION AND OPERATING  
INSTRUCTIONS

MODELS G26 Pure 6

FOR ADVICE, REPAIRS AND  
FAST SERVICE  
1300 367 565

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# INTRODUCTION

## **ETERNITY G26 Pure 6** INSTALLATION INSTRUCTIONS

### INTRODUCTION

The ETERNITY G26 Pure 6 is an external electronic gas hot water heater.

The ETERNITY G26 Pure 6 is supplied set at a constant 60°C outlet temperature depending on the model purchased.

Three optional remote controls can be provided for complete hot water temperature selection and if this option is used an approved temperature limiting device must be installed.

### **THIS HOT WATER UNIT IS NOT FOR POOL OR SPA HEATING**

### GENERAL

1.0.1 The ETERNITY G26 Pure 6 must be installed in accordance with

- (1) These instructions;
- (2) Uniform Building Regulations Local authority regulations;
- (3) AS / NZS 3500.4 "Plumbing and Drainage Heated Water Systems"
- (4) The Gas Installations Standard AS 5601 for gas burning appliances and equipment;
- (5) Any other statutory regulation that may apply;
- (6) A notice of intention to install shall be lodged with the relevant Municipal Authority and local Gas Authority prior to installation.

**INSTALLATION MUST BE CARRIED OUT ONLY BY  
AN AUTHORISED AND APPROPRIATELY LICENSED PERSON.**

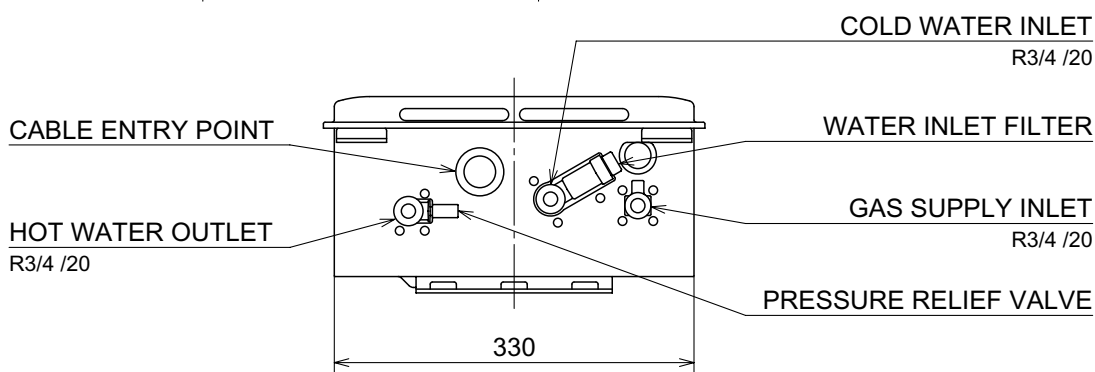
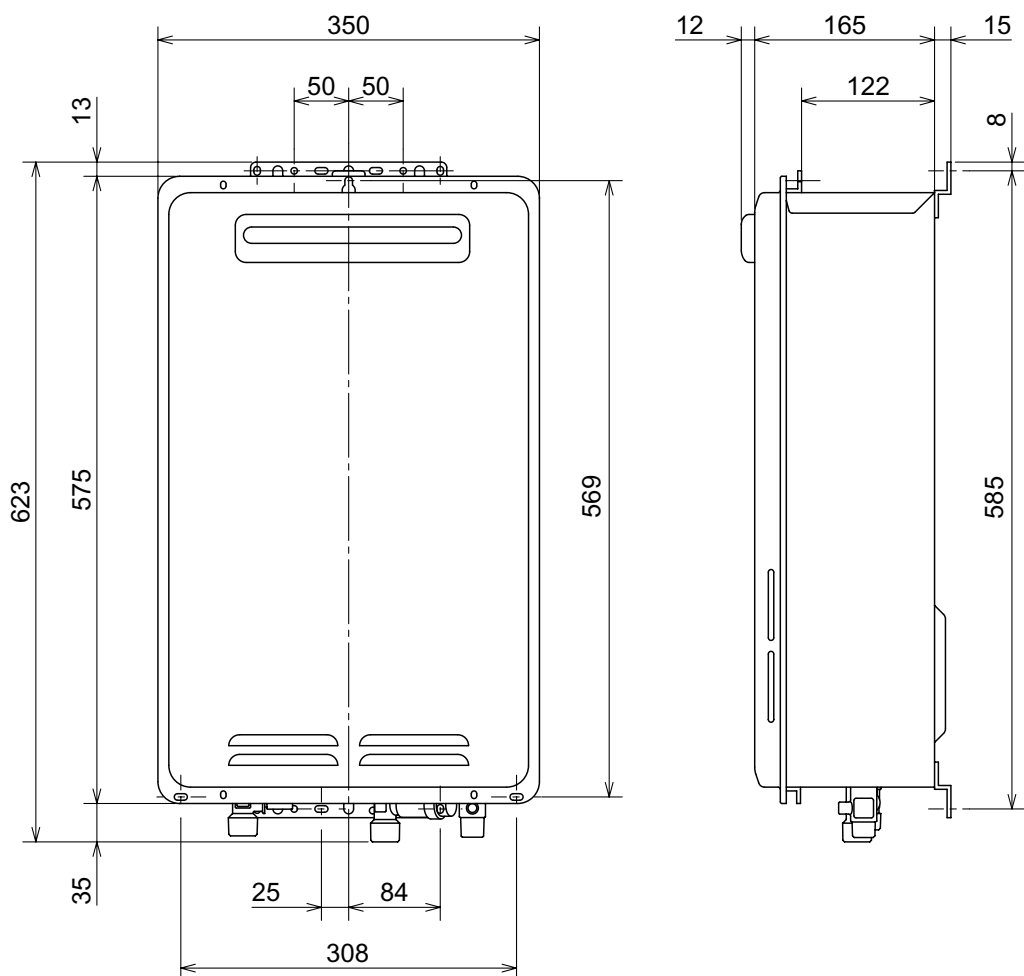
1.0.2

### **DELIVERY INSPECTION**

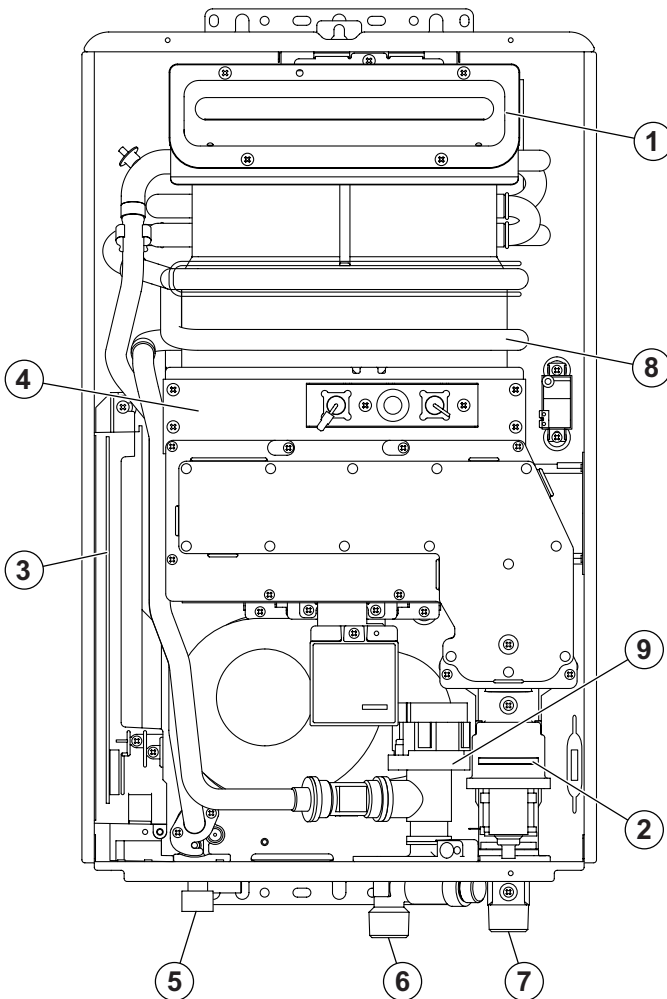
The ETERNITY HOT WATER unit is supplied fully assembled for installation.

The customer or installer upon delivery of the unit should immediately remove all packing materials and inspect the unit for damage and ensure that the unit supplied is correct for the gas supply to which it is to be connected, report any damage or discrepancies quoting to the supplier the serial number and model number, which can be found on the outside of the cabinet.

# DIMENSIONS CONNECTIONS



# EXPLODED DIAGRAM



## NOS. PARTS DESCRIPTION

- |   |                                    |
|---|------------------------------------|
| 1 | FLUE OUTLET                        |
| 2 | GAS VALVE                          |
| 3 | CIRCUIT BOARD                      |
| 4 | BURNER CASE                        |
| 5 | HOT WATER OUTLET                   |
| 6 | COLD WATER INLET                   |
| 7 | GAS SUPPLY INLET                   |
| 8 | HEAT EXCHANGER                     |
| 9 | WATER VOLUME<br>PROPORTIONAL VALVE |

# TECHNICAL DATA

## 1.1 TECHNICAL DATA AND DIMENSIONS ETERNITY G26 Pure 6

|                                                                                    |                                    |
|------------------------------------------------------------------------------------|------------------------------------|
| Nominal hourly gas consumption MJ/h<br>by proportional electronic gas control      | MODEL G26 Pure 6<br>MJ/H 200       |
| Test point pressure                                                                | MODEL NG LP<br>G26 Pure 6 .65 .67  |
| Water heating capacity raised 40°C                                                 | MODEL G26 Pure 6<br>L/M 16.25      |
| Working pressure                                                                   | Max 1200kPa                        |
| Gas injectors of the following size in mm<br>are fitted for the approved gas types | NG LPG<br>1.34 1.0mm<br>1.65 1.2mm |
| Input voltage single phase 50Hz                                                    | 240V                               |
| Maximum output current                                                             | 0.47Amp                            |
| SAIG Approval no.                                                                  | GSCS20021                          |
| Inlet gas connection male thread                                                   | R3/4 /20                           |
| Cold water connection male thread                                                  | R3/4 /20                           |
| Hot water connection male thread                                                   | R3/4 /20                           |
| Relief valve pressure setting                                                      | 1400kPa                            |
| Weight dry                                                                         | 18kg                               |

## 1.2 DATA PLATE

Left outside of cabinet

## 1.3 GAS TYPE

The temporary gas label is located on the cabinet top.  
The label is the gas that this appliance is designed to operate with.

**DO NOT OPERATE WITH ANY OTHER GAS TYPE.**

# TECHNICAL DATA

|     |                    |        |       |
|-----|--------------------|--------|-------|
| 1.4 | HEATER DIMENSIONS: | DEPTH  | 165mm |
|     |                    | WIDTH  | 350mm |
|     |                    | HEIGHT | 575mm |

## 1.5 WARNING LABELS

Located on the side of the cabinet.

PLEASE READ THESE LABELS CAREFULLY.

## 1.6 INSTALLATION POSITION

THIS HEATER IS APPROVED FOR OUTDOOR INSTALLATION ONLY-IT IS NOT SUITABLE FOR INDOOR USE.

Refer AS 5601 for clearance details for flue terminal.

In addition, ensure that the appliance installation position permits easy access for maintenance and operation.

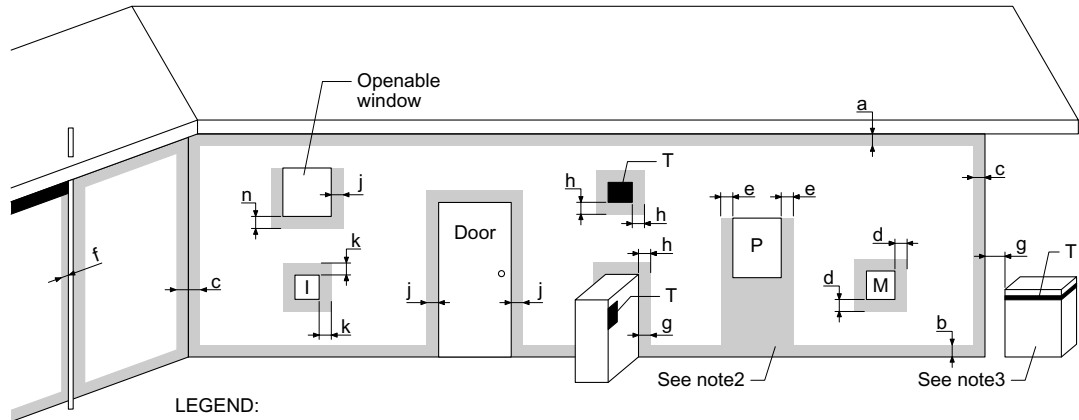
For further information, please refer to the Gas Fitting Regulations.

## 1.7 POSITION FOR INSTALLATION

The heater must be installed by using a fixing method sufficient to hold the 18kg weight of the unit (see the technical sheet for dimensions of mounting brackets and positions).

# TECHNICAL DATA

## AS 5601 CLEARANCE REQUIREMENTS.



### LEGEND:

T = Flue terminal

M = Gas meter

I = Mechanical air inlet

P = Electricity meter or fuse box

Shading indicates prohibited areas for flue terminals

| Ref. | Item                                                                                                                                                    | Minimum clearances (mm) |              |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------|
|      |                                                                                                                                                         | Natural draft           | Fan assisted |
| a    | Below eaves, balconies and other projections:                                                                                                           |                         |              |
|      | • Appliances up to 50MJ/h input                                                                                                                         | 300                     | 200          |
|      | • Appliances over 50MJ/h input                                                                                                                          | 500                     | 300          |
| b    | From the ground, above a balcony or other surface +                                                                                                     | 300                     | 300          |
| c    | From a return wall or external corner +                                                                                                                 | 500                     | 300          |
| d    | From a gas meter (M) (see 4.7.11 for vent terminal location of regulator)                                                                               | 1000                    | 1000         |
| e    | From an electricity meter or fuse box (P)                                                                                                               | 500                     | 500          |
| f    | From a drain pipe or soil pipe                                                                                                                          | 150                     | 75           |
| g    | Horizontally from any building structure + or obstruction facing a terminal                                                                             | 500                     | 500          |
| h    | From any other flue terminal, cowl, or combustion air intake +                                                                                          | 500                     | 300          |
| j    | Horizontally from an openable window, door, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation: |                         |              |
|      | • Appliances up to 150MJ/h input                                                                                                                        | 500                     | 300          |
|      | • Appliances over 150MJ/h input up to 200MJ/h input                                                                                                     | 1500                    | 300          |
|      | • Appliances over 200MJ/h input up to 250MJ/h input +                                                                                                   | 1500                    | 500          |
|      | • Appliances over 250MJ/h input +                                                                                                                       | 1500                    | 1500         |
|      | • All fan-assisted flue appliances, in the direction of discharge                                                                                       | -                       | 1500         |
| k    | From a mechanical air inlet, including a spa blower                                                                                                     | 1500                    | 1000         |
| n    | Vertically below an openable window, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation:        |                         |              |
|      | • Space heaters up to 50MJ/h input                                                                                                                      | 150                     | 150          |
|      | • Other appliances up to 50MJ/h input                                                                                                                   | 500                     | 500          |
|      | • Appliances over 50MJ/h input and up to 150MJ/h input                                                                                                  | 1000                    | 1000         |
|      | • Appliances over 150MJ/h input                                                                                                                         | 1500                    | 1500         |

+ Unless appliance is certified for closer installation

### NOTES:

1 All distances are measured to the nearest part of the terminal.

2 Prohibited area below electricity meter or fuse box extends to ground level.

3 See Clause 5.13.6.6 for restrictions on a flue terminal under a covered area.

4 See Appendix J, Figures J2(a) and J3(a), for clearances required from a flue terminal to an LP Gas cylinder, A flue terminal is considered to be a source of ignition.

5 For appliances not addressed above acceptance should be obtained from the technical regulator

FIGURE 5.3(in part) MINIMUM CLEARANCES REQUIRED FOR BALANCED FLUE TERMINALS, FAN-ASSISTED FLUE TERMINALS, ROOM-SEALED APPLIANCE TERMINALS OR THE TERMINALS OF OUTDOOR APPLIANCES

# GAS CONNECTION

## 1.8 GAS CONNECTION

- (1) Fit a union to the water heater gas inlet for easy connection and removal. The thread diameter is R3/4 /20  
THIS DOES NOT INDICATE THE SIZE OF THE GAS SUPPLY refer to AS 5601 for guidance on pipe sizing.
- (2) Fit an AGA approved isolating gas cock in the supply line adjacent to the water heater gas connection.
- (3) Ensure that the supply pipe and the gas pressure regulator (LPG or Natural Gas) has sufficient flow capacity for this and other appliances connected to the fitting line.
- (4) For LPG appliances ensure that gas cylinders are of sufficient size. The water heater alone will require a regulator of 4KG per hour capacity.
- (5) Before connecting the appliance to the gas service purge any debris or air from the gas service. Venting of purged gas shall be an area free of sources of ignition.  
Close the isolating gas cock prior to connection of the appliance.
- (6) After connection check all joints for leaks with an approved leak tester.  
Refer to AS 5601 Installations Standard for pipe sizing details. For your assistance we have included the following pipe sizing from AS 5601 for copper tube using Natural Gas.

| NOMINAL PIPE<br>SIZE IN mm | STRAIGHT LENGTH<br>OF PIPE METRES | HOURLY RATE<br>IN MJ/h |
|----------------------------|-----------------------------------|------------------------|
| 13                         | 4                                 | 43.0                   |
| 18                         | 4                                 | 82.2                   |
| 20                         | 4                                 | 142.0                  |
| 25                         | 4                                 | 313.0                  |

THE ETERNITY G26 Pure 6 REQUIRES A MINIMUM OF 200 MJ/h FOR THE CUSTOMER TO GET THE FULL PERFORMANCE BENEFIT.

SERVICE CALLS ARE CHARGEABLE FOR  
UNITS WITH INCORRECT GAS PIPE SIZES.

# COLD WATER CONNECTION

## 1.9 COLD WATER SUPPLY TO WATER HEATER

Refer to the Technical Sheet for the position of connections. Minimum of R3/4 /20 copper tube should be connected to the appliance. The WATER INLET connection is R3/4 /20 BSP and requires a union to allow for removal of the water heater. Pipe sizing from the cold water supply should be sized according to local BY LAWS for water supply.

ISOLATING GATE VALVE or BALL VALVE

A GATE VALVE or BALL VALVE must be used on the cold water inlet to the water heater.

THIS REQUIREMENT IS AN AUSTRALIA WIDE REQUIREMENT UNDER THE NATIONAL PLUMBING CODE.

IF THE ABOVE INSTRUCTION IS NOT CARRIED OUT ALL WARRANTIES ON THE UNIT WILL BE INVALIDED.

**STOP TAPS OR COMBINATION STOP TAPS AND  
NON-RETURN VALVES ARE NOT TO BE USED!**

**N.B. NO PRESSURE REDUCTION VALVE IS  
REQUIRED UNLESS THE INLET WATER  
PRESSURE EXCEEDS 1400kPa AT ANY  
TIME OF THE DAY. EG EARLY HOURS  
OF THE MORNING.**

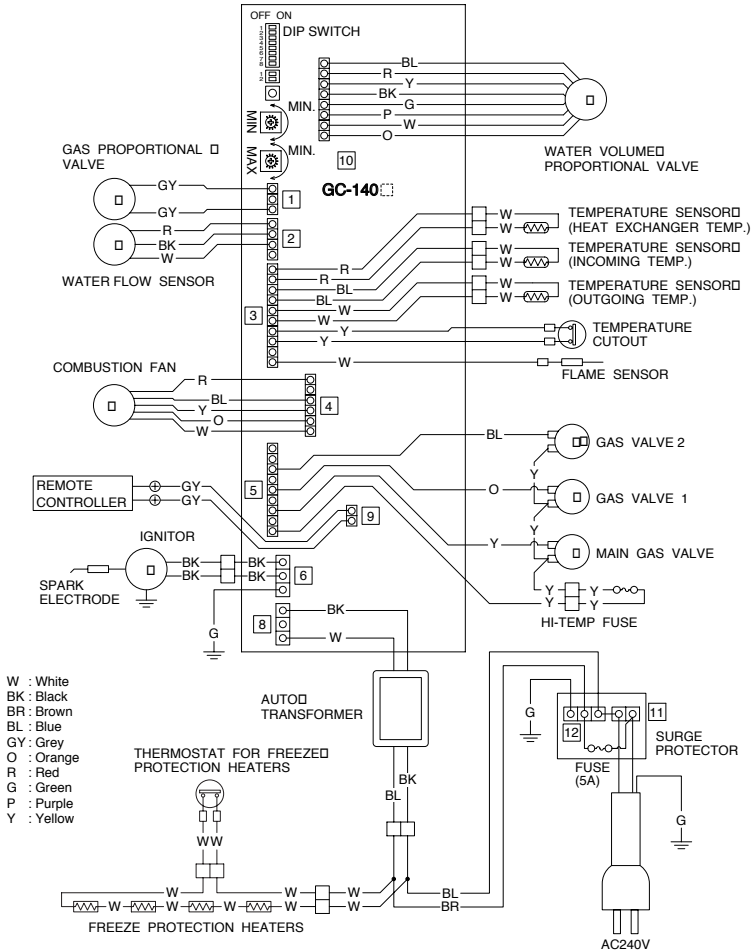
# HOT WATER CONNECTION

- 2.0 Refer to Technical sheet for position of connection. The outlet connection is R3/4 /20 male thread and requires an isolating union to allow for removal of the unit.
- 2.1 Install the hot water supply line to the unit in a minimum of R3/4 /20 copper tube. For units set at 50°C this must be a minimum of Four(4) Metres to the first outlet. Refer to the instructions supplied with these models for full details.
- 2.2 Keep the pipe lengths to a minimum and make sure that the pipework is well insulated, as correct performance of the appliance is dependent on properly insulated pipework.
- 2.3 DO NOT FIT ANY VALVES OR RESTRICTORS TO THE OUTLET OF THE WATER HEATER.
- 2.4 DO NOT FIT ANY OBSTRUCTION TO THE PRESSURE RELIEF LOCATED ON THE HOT WATER OUTLET CONNECTION.  
BEFORE TURNING ON THE POWER SUPPLY TO THE WATER HEATER.
- 2.5 After purging the air from the system using the hot water supply taps, remove the water inlet strainer located on the cold water supply inlet connection. Remove any debris from the filter and replace. When replacing the filter do not over tighten the "O"ring seal.  
TESTING THE WATER HEATER AFTER INSTALLATION IS COMPLETED.  
Turn on power supply to the heater and allow approximately 30 seconds for the computer to perform a safety check on the CHOFU GK2621K.  
Open a hot water tap and check the temperature of the hot water supplied.  
IF THE UNIT FAILS TO OPERATE, CONSULT THE FAULT MONITOR ON PAGE 24.

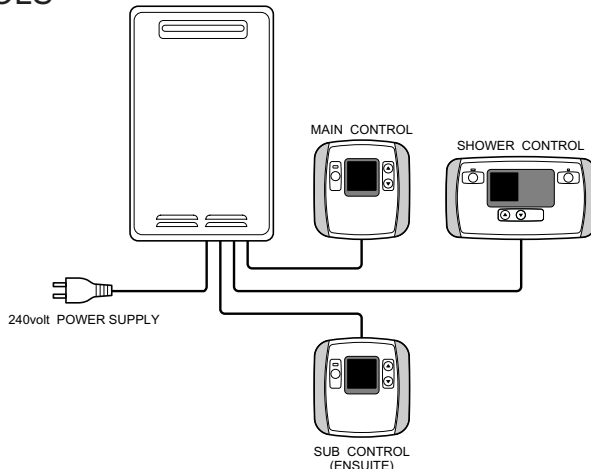
# ELECTRICAL REQUIREMENTS

- 3.0 The appliance is equipped with a three pinned earthed plug to be connected to a 220-240V 50Hz power supply. The electrical rating of the appliance is 0.47Amp.
- 3.1 The appliance requires a 240V 50Hz weatherproof power outlet installed in a protected position adjacent to the appliance.
- 3.3 **IMPORTANT:** The appliance should always be disconnected from the power supply before any maintenance is carried out.

## WIRING DIAGRAM AND REMOTE CONTROLS INSTALLATION SCHEMATIC



## WIRING FROM MAIN UNIT TO MAIN & SHOWER/SUB REMOTE CONTROLS



# REMOTE CONTROLS

## Refer to Technical Sheets

- 4.0 The ETERNITY G26 Pure 6 comes complete, with one, two or three remote control panels, as optional extras.

|                                     |                 |                  |
|-------------------------------------|-----------------|------------------|
| ONE REMOTE CONTROLS SYSTEM          | MODEL CMR-2251  | MAIN CONTROLS    |
| TWO OR THREE REMOTE CONTROLS SYSTEM | MODEL CMR-2251  | MAIN CONTROLS    |
|                                     | MODEL YST-2251  | SHOWER CONTROLS  |
|                                     | MODEL YST-2251S | ENSUITE CONTROLS |

- 4.1 These controls are to be fitted in the following locations:

\*MAIN CONTROLS - kitchen or laundry  
 \*SHOWER CONTROLS - main bathroom

### IMPORTANT

DO NOT locate the remote controls where they may come into contact with water.  
 DO NOT position the remote controls in the vicinity of chemicals.  
 DO NOT position the remote controls over a cooker, grill oven or toaster.  
 DO NOT position the remote controls where materials may spill onto them.

- 4.2 MAIN REMOTE CONTROLS CMR-2251

The main remote controls is fitted using the mounting holes in the rear of the casing. Wiring is from the rear using the wiring hole provided in the casing.

- 4.3 SHOWER REMOTE CONTROLS YST-2251 & ENSUITE REMOTE CONTROL YST-2251S

These controls must be wired from the rear, leave sufficient wire for disconnection and removal.

- 4.4 CONNECTION OF WIRING TO THE ETERNITY

Remove the front cover from the unit.  
 Install the wiring to the ETERNITY G26 Pure 6 by concealing the wiring in the wall cavity. Install the wiring into the cabinet through the wiring access adjacent to the power cable, see the Technical Sheet.

- 4.5 Using the cable clamps provided on the plate adjacent to the terminal block attach the wiring to the plate. Then attach the wires to the terminals for the remote controls. See wiring diagram previous page. Replace the front cover and connect the power plug.

- 4.6 COMMISSIONING AND TESTING

After completing the installation of the unit, turn the water, power and gas supplies on to the unit.

### CONTROLS OPERATION

Turn the main remote controls ON by pressing the ON/OFF switch on the controls to the ON position.

The MAIN REMOTE CONTROLS will indicate the 42°C and the MAIN CONTROLS light will be alight.

Using the UP/DOWN buttons select the hot water temperature required. Turn on the hot water supply tap. The burner light glowing will indicate that hot water is being supplied. Move to the shower controls (if fitted). Press the TRANSFER BUTTON and repeat the procedure.

Move to the Ensuite controls (if fitted). Press the TRANSFER BUTTON and repeat the procedure.

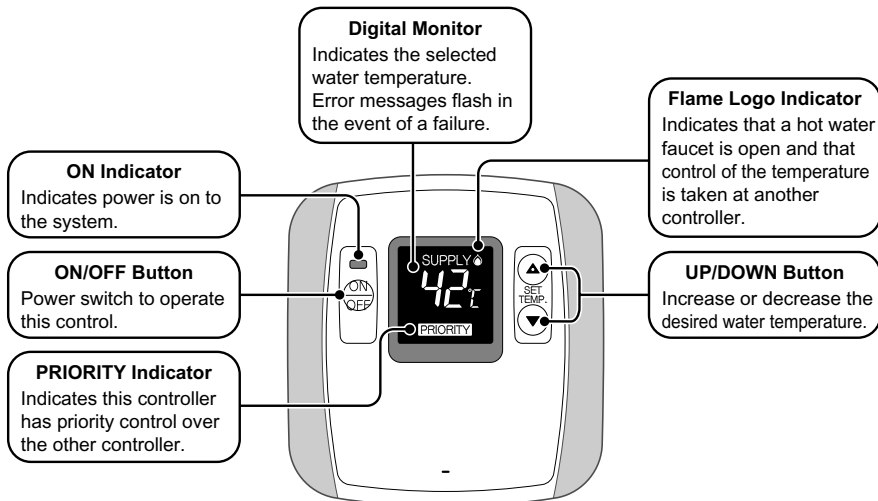
THERE ARE NO MINOR ADJUSTMENTS THAT CAN BE MADE TO THE UNIT.

# REMOTE CONTROLS

## CMR-2251

### (Main remote Controller)

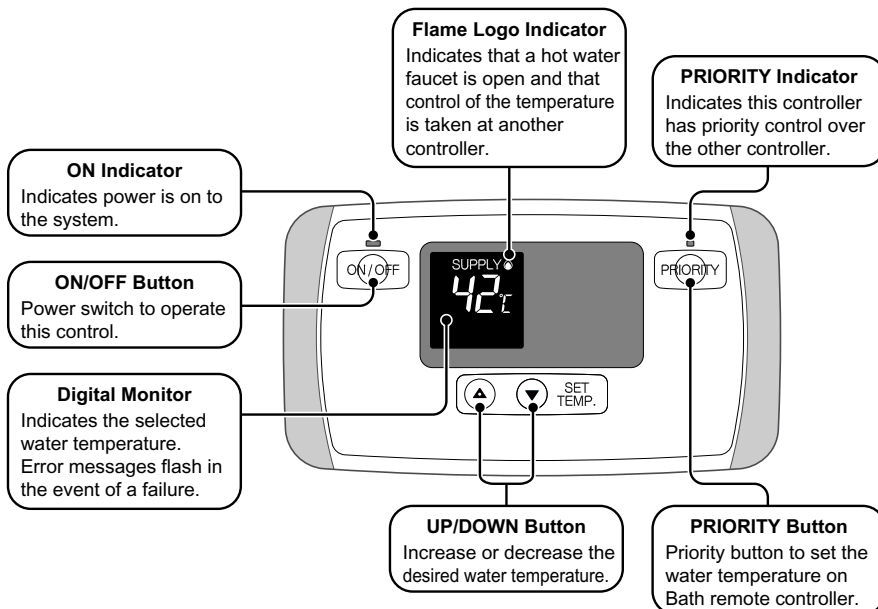
This remote controller is intended to be used in the kitchen, laundry room or utility area.



## YST-2251/S

### (Bath remote controller / Ensuite)

This remote controller is intended for installation in the bathroom.



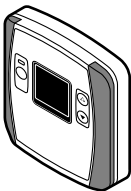
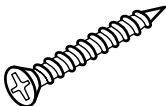
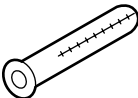
# MOUNTING REMOTE CONTROLS

## MOUNTING AND WIRING OF REMOTE CONTROLS

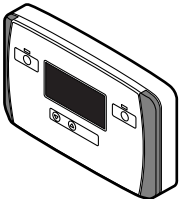
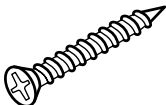
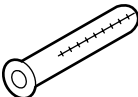
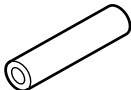
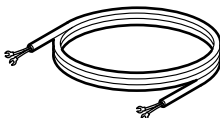
### 4.7 REMOTE CONTROLS

OPEN THE CARTON BOX AND MAKE SURE TO CHECK FOLLOWING PARTS PROVIDED.

#### ● MAIN CONTROLS MODEL CMR 2251

|                                                                                   |                                                                                   |                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |  |  |
| 2PCS                                                                              | 2PCS                                                                              | 2PCS                                                                              |                                                                                    |
| REMOTE CONTROLS                                                                   | WOOD SCREW                                                                        | CURL PLUG                                                                         | WIRING                                                                             |

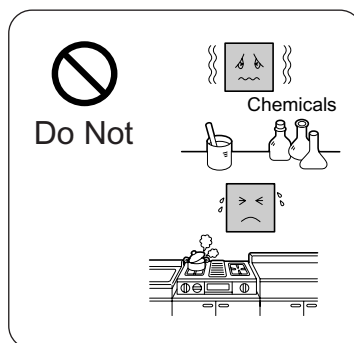
#### ● SHOWER / SUB CONTROLS MODEL YST-2251 / YST-2251S

|                                                                                     |                                                                                     |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|   |  |  |  |
| 2PCS                                                                                | 2PCS                                                                                | 2PCS                                                                                | 2PCS                                                                                  |
| REMOTE CONTROLS                                                                     | WOOD SCREW                                                                          | CURL PLUG                                                                           | CONNECTOR                                                                             |
|  |  |                                                                                     |                                                                                       |
| WIRING                                                                              | CABLE CLAMP                                                                         |                                                                                     |                                                                                       |

# MOUNTING REMOTE CONTROLS

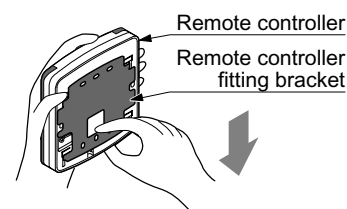
## 1) Safety precautions on Main remote controller installation.

- Connect remote controller cable after heater is unplugged.
- Never install Main remote controller above a combustion appliance like hot plate or a kitchen range.
- The heat will cause electrical component problems, or deform the exterior.
- Install Main remote controller out of the reach of steam, water drop, spray of water from tea kettle, or electrical pot.
- Do not put Main remote controller in direct sunshine.
- It is convenient to install it where it will be used most frequently.
- Do not install Main remote controller at the place where any commercial chemicals like ammonia, sulfur, chlorine, ethylenic compound and acids etc are used.
- The remote controller cables carry low voltage, 12VDC digital.



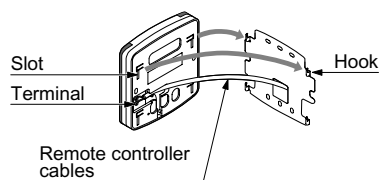
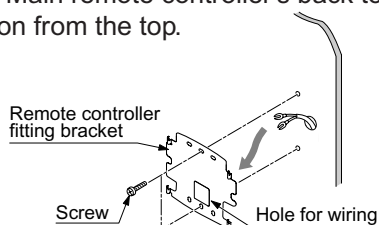
## 2) Installation of Main remote controller.

- Detach the fitting bracket from Main remote controller by sliding it down.
- Attach the fitting plate to wall.
- Install conduit inside of wall in advance and secure the wiring box.
- Pass remote controller cables through conduit. Then pass the cables through the hole of the fitting bracket and pull them out.
- Attach the fitting bracket with screws adjusting the screw hole to the wiring box.
- Connect the remote controller cables to the terminal for the remote controller of PCB.



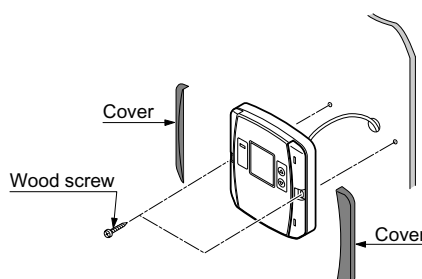
### In case of installing of the fitting bracket for remote controller.

Align the slots of Main remote controller's back to 4 hooks on the fitting bracket. Then slide them on from the top.



### In case you are not using the fitting bracket of the remote controller.

Detach right-and-left covers of the remote controller and fix them to the wall directly with wood screws. Then attach the covers again.



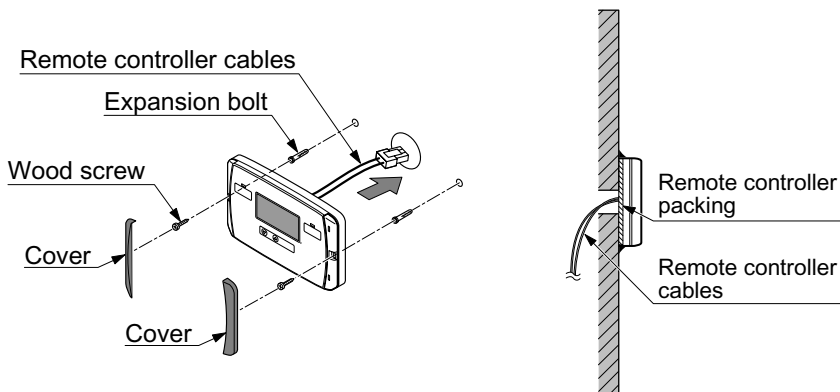
# MOUNTING REMOTE CONTROLS

## 1) Safety precautions on Bath remote controller / Ensuite installation.

- Before remote controller installation, check the hole position considering wall stud location.
- Note : Do not dismantle the remote controller due to water-proof design.
- Do not install remote controller where water will contact the remote controller directly.
- The remote controller cables carry low voltage, 12VDC digital.

## 2) Installation of Bath remote controller / Ensuite.

- Drill a hole (more than dia about 12mm) in a wall for the remote controller cables.
- After passing the remote controller cables through the hole, remove the packing's back paper of remote controller. Then attach the remote controller to the wall.
- Detach both end covers of remote controller and fix the remote controller to the wall with wood screws(2pcs) in the screw holes provided. Do not tighten the screws excessively, as the screw hole may be damaged. In case of mounting the remote controller on tile, cement or mortar, use an expansion bolt.



# USER INSTRUCTIONS

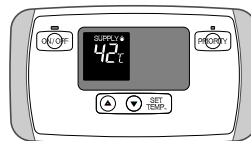
## Operation of Main / Bath remote controller / Ensuite.

Please read these instructions carefully before using this appliance.

1. Turn on the ON/OFF button. (refer to page 12.)
2. The temperature display will illuminate at 42°C.
3. The priority indicator will illuminate.
4. Select hot water temperature by pushing UP/DOWN button (▲ or ▼) on the controller.
5. Turn on the hot water faucet. Flame logo indicator will illuminate after a short delay.  
This indicator will remain illuminated until the hot water faucet is turned off.
6. The hot water temperature can be altered at any time during the operation by pushing UP/DOWN button (▲ or ▼) located on the controller.



or



## PRIORITY control. (change)

The temperature can only be controlled by the remote controller which has the priority indication. Priority button is only located on the Bath remote controller / Ensuite.

When the priority switch is turned on, priority control over the water temperature is changed voluntarily.

### Warning

Do not turn off the water heater or change the water temperature while someone is bathing or washing. That may result in scalds or burns.

- In case of installation of both a Main remote controller and a Bath remote controller / Ensuite with priority button ON, when pushing priority button on Bath remote controller / Ensuite, the hot water temperature will read 42°C.
- In case of installation for Bath remote controller only, when pushing priority button on it, hot water temperature will read 42°C.
- The priority mode of YST-2251/YST-2251S can't accept ON/OFF during the operation. It doesn't matter whether the operation is working or not.  
Please operate it after closing the tap.

## HINTS FOR USING REMOTE CONTROLS FOR SAFETY AND ENERGY SAVINGS

1. Set the MAIN CONTROL to 42°C for normal household use and to prevent small children from scalding.
2. For the dishwasher set the MAIN CONTROL to 60°C or the temperature in the manufacturer's instructions.
3. For showering use settings between 37°C-39°C and no cold water will be needed to be mixed, and if other hot or cold water taps are used the temperature will be maintained.



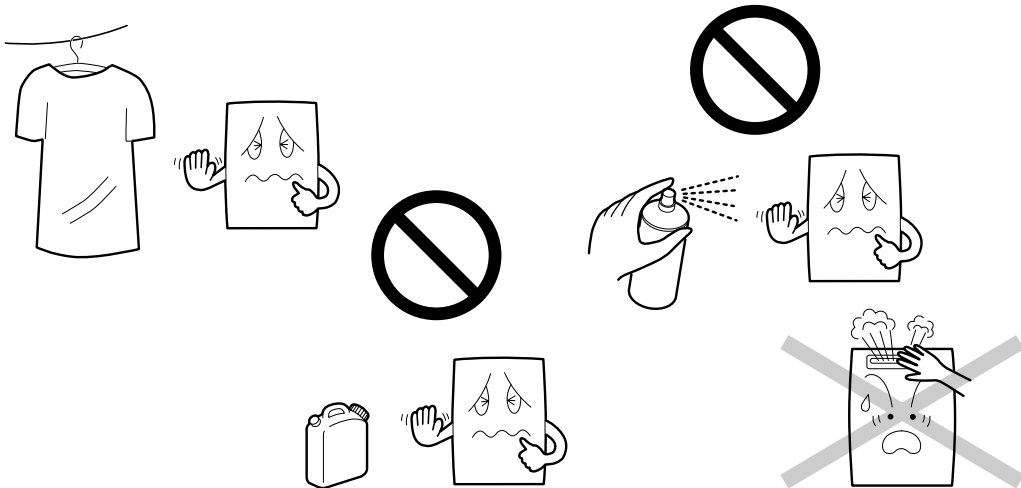
THE TEMPERATURE WILL INCREASE BY 1°C WITH EACH PRESS OF THE UP/DOWN BUTTONS. THE TEMPERATURE CAN BE ADJUSTED CONTINUOUSLY BY KEEPING THE BUTTON PRESSED. OVER 50°C UP TO 60°C, THE TEMPERATURE IS CONTROLLED BY 5°C NOTCH.

**PLEASE NOTE ABOVE 50°C SCALDING CAN OCCUR WITHIN SECONDS**

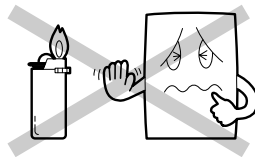
4. The MAIN REMOTE CONTROL is left switched on at all times for operation.
5. The MAIN REMOTE CONTROL is left switched on at all times and then change can be made to the operation temperature at any time during operation of hot water taps.

# CARE OF THE ETERNITY HOT WATER UNIT

1. DO NOT HANG WASHING OR OTHER MATERIALS ADJACENT TO THE UNIT.
2. DO NOT STORE INFLAMMABLE MATERIALS WITHIN 2 METERS OF THE UNIT.
3. DO NOT TOUCH THE FLUE OUTLET OF THE UNIT DURING OR IMMEDIATELY AFTER OPERATION.



4. IF ANY GAS SMELL COMES FROM THE UNIT, DO NOT USE NAKED FLAMES TO TEST FOR GAS LEAKS.



5. TURN OFF THE GAS SUPPLY AND POWER AND CONTACT YOUR GAS SUPPLY COMPANY.



6. IF A POWER FAILURE OCCURS THE REMOTE CONTROLS WILL NOT FUNCTION AND THE ETERNITY UNIT WILL NOT SUPPLY HOT WATER UNTIL POWER IS RESTORED.

**PLEASE NOTE**

WHEN POWER IS RESTORED THE REMOTE CONTROLS WILL RESET AT 42°C AS A SAFE TEMPERATURE.

# HINTS FOR USING THE ETERNITY UNIT

## POINTS NEEDED FOR YOUR SPECIAL ATTENTION

### **Danger**

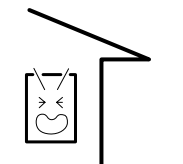
#### NO INSTALLATION INDOORS

(May cause oxygen deficiency accident or incomplete combustion.)

The unit is outdoor installation type. Never install indoor or in the bathroom. It will be extremely dangerous since it will cause oxygen deficiency and incomplete combustion.



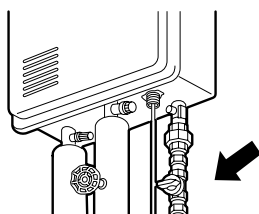
Prohibited



### **Warning**

#### WATCH FOR GAS LEAK

(May cause fire.)



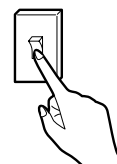
Close



No Fire



Prohibited



When gas leak is noticed, stop using the unit immediately and close the gas valve, then contact the shop you bought the unit from or the gas supply company.

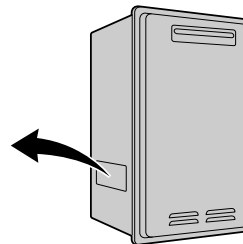
#### CONFIRM TYPE OF GAS AND POWER SUPPLY

(May cause incomplete combustion, explosive ignition or fire.)

| GK-2621K EXTERNAL GAS WATER HEATER            |      |           |         |
|-----------------------------------------------|------|-----------|---------|
| SAIG APPROVAL No.                             |      | GSCS20021 |         |
|                                               |      | NAT.G     | LPG     |
| INPUT                                         | MJ/h | 200       | 200     |
| OUTPUT                                        | kW   | 44.4      | 44.4    |
| TEST POINT PRESSURE HIGH                      | kPa  | 0.65      | 0.67    |
| TEST POINT PRESSURE LOW                       | kPa  | 0.10      | 0.10    |
| GAS INJECTORS                                 | mm   | 1.34/1.65 | 1.0/1.2 |
| WEIGHT                                        | kg   | 18        | 18      |
| MAX. WATER PRESSURE                           | kPa  | 1200      | 1200    |
| MIN. WATER PRESSURE                           | kPa  | 210       | 210     |
| WATER HEATING CAPACITY 16.25L/min RAISED 40°C |      |           |         |
| VOLTAGE 240 Volts-50Hz 0.47AMPS               |      |           |         |
| SERIAL No.                                    |      |           |         |



Check



Make sure to use the gas type as well as power supply (voltage / frequency) as indicated on the RATING LABEL located on the cabinet side.

There are Natural Gas and Propane Gas on the GAS TYPE LABEL.

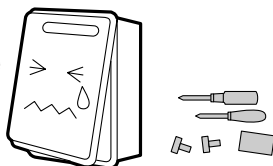
## **Warning**

### **NO DISASSEMBLY, REPAIR OR MODIFICATION**

(May cause fire, electric shock or other accidents.)



No Disassemble



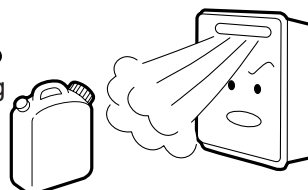
Do not disassemble or modify the units. Never fail to ask professional assistance from the dealer you have bought your unit from for such a case as installation, removing, auxiliary installation work or connection to the solar units.

### **CAUTION FOR INFLAMMABLE ITEMS**

(May cause fire or explosion.)



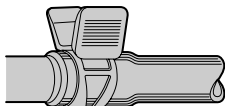
Warning



Do not place any inflammable items such as gasoline or benzene nor use them around the unit. Take special care.

### **NO RUBBER TUBING**

(May cause gas leakage or fire.)



Prohibited

Rubber tubing should never be used for gas piping.

## **Freeze Prevention.**

This unit comes equipped with electric heaters that discourage the water heater from freezing.

To enable this freeze prevention system to operate there must be an electrical power supply connected to the unit.

The freeze prevention devices will not operate if the electrical power source is not connected.

## **Caution.**

The electric heaters are installed inside the water heater only all External Hot and Cold water supply pipes and fittings connected to the water heater should be properly insulated.

## **Warning**

### CAUTION TO PREVENT SCALDING



Caution



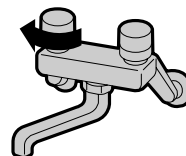
Check the water temperature by hand first before using shower.

### MEASURE TO BE TAKEN IN CASE OF EMERGENCY

When there is an emergency such as earthquake or fire, apply following procedure.

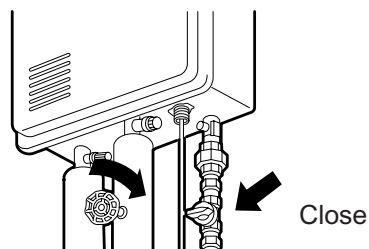
1. Close the hot water outlet.

Close



2. Close the gas valve and the main water valve.

Close



Close

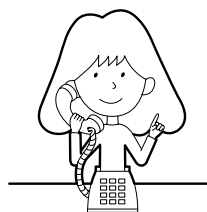
3. Turn off the main power.

However, in case of gas leakage, first close the gas valve then wait for the leaked gas to disperse then turn off the main power supply.



Pull  
No wet hand

4. Contact the dealer from whom you bought the unit.

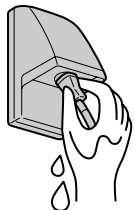


## **Caution**

**DANGER OF WET HANDS**  
(May cause electric shock.)



Warning

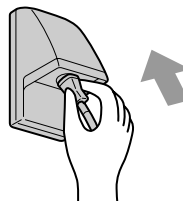


Do not touch power plug with wet hands. It is dangerous, because it can cause electric shock.

**INSERT POWER PLUG PROPERLY INTO TERMINAL**



Check

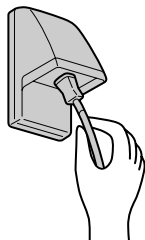


Check the power plug for dust accumulation, then properly insert to the power point.

**DO NOT PULL POWER CORD**  
(May generate heat and cause fire.)



Prohibited

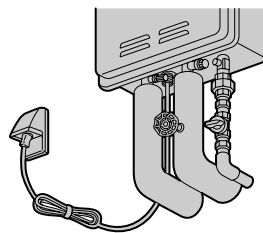


Do not turn off the power plug by pulling the cord. It may generate heat by wire breakage then cause fire.

**DO NOT USE POWER CORD BUNDLED**  
(May generate heat and cause fire.)



Prohibited



Never use power cord in a bundled condition. It will cause heat generation and fire.

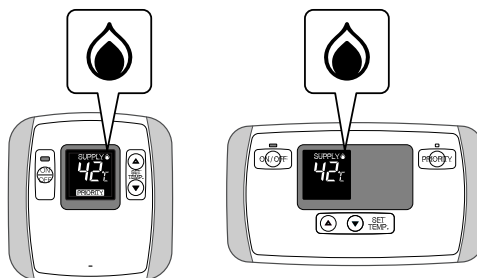
If the power supply cord is damaged, it should be replaced by a cord available from ETERNITY Agents.

## Caution

### CONFIRM IGNITION, COMBUSTION AND EXTINCTION



Check



Please always check ignition, combustion and extinction of the unit by the operation lamp of the main or shower / sub remote controls.

### DO NOT PUT WATER ON THE REMOTE CONTROLS

(May cause failure.)



Check

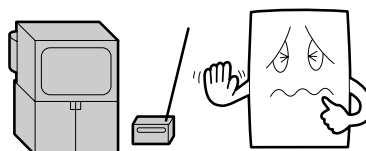


Do not put water on the remote controls. It will cause failure.

### DO NOT INSTALL NEAR ELECTRIC APPLIANCES



Check



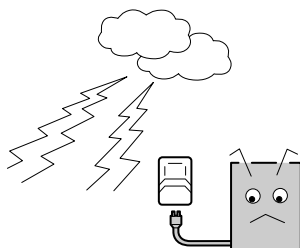
When installed near to TV or radio, it may cause picture disturbance or sound disturbance. Install away from those appliances.

### MEASURE TO BE TAKEN FOR LIGHTNING POSSIBILITY

(May cause failure.)



Pull  
No wet hand

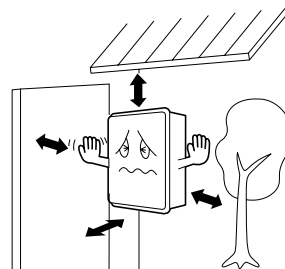


Instant overflow voltage caused by lightning can damage the electronic parts. Therefore, turn off the main power when you have thunder.

### SECURE SERVICE SPACE



Check



Make sure to secure good enough space around the unit to ensure space necessary for checking and maintenance.

# FAULT MONITOR

## FAULT MONITOR

THE ETERNITY HOT WATER UNIT HAS A SELF DIAGNOSING FUNCTION FOR FAULTS.

When the unit does not operate correctly an error code is displayed on the MAIN and SHOWER remote controls TEMPERATURE DISPLAY INDICATOR.

The cause of the fault can be determined after checking the fault numbers display on the remote control display.

| Error Code        | Number of Flashes | Problem                                                                                                                              | Remedy                                                                                                |
|-------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| -                 | -                 | Nothing operates.                                                                                                                    | Call service center.                                                                                  |
| 000               | -                 | Power recovery detection.                                                                                                            | Check power failure.<br>(Alarm record can be indicated in calling mode.)                              |
| 001               | 6                 | During power failure, remote controller wiring is disconnected.<br>(only applies when using remote controller before power failure.) | Turn off the hot water faucets and turn on again.<br>(Alarm record can be indicated in calling mode.) |
| 111               | 1                 | Gas burner fails to ignite.                                                                                                          | Check gas supply.                                                                                     |
| 121               | 3                 | Loss of combustion.                                                                                                                  | Check gas supply and pressure.                                                                        |
| 141               | 4                 | Temperature cutout activated.                                                                                                        | Call service center.                                                                                  |
| 321               | 5                 | Outgoing temperature sensor wire breakage.                                                                                           | Call service center.                                                                                  |
| 331               | 10                | Heat exchanger temperature sensor wire breakage.                                                                                     | Call service center.                                                                                  |
| 510               | 16                | Main gas valve failure.                                                                                                              | Call service center.                                                                                  |
| 511               | 17                | Gas valve failure.                                                                                                                   | Call service center.                                                                                  |
| 611               | 7                 | Combustion fan failure.                                                                                                              | Call service center.                                                                                  |
| 651               | 9                 | Water volume proportional valve failure.                                                                                             | Call service center.                                                                                  |
| 721               | 2                 | False flame detection.                                                                                                               | Call service center.                                                                                  |
| 733               | 13                | Number of connected units discrepancy.                                                                                               | Call service center.                                                                                  |
| 734               | 14                | PCB failure.                                                                                                                         | Call service center.                                                                                  |
| 735               | 15                | Cascade communication failure.                                                                                                       | Call service center.                                                                                  |
| 740<br>750        | -                 | After power on, nothing operates, but the error code displays in 1 minute.                                                           | Call service center.                                                                                  |
| 740<br>750<br>760 | 8                 | Communication failure between remote controllers and PCB.                                                                            | Turn off power and turn on again.                                                                     |
| 990               | 12                | Air supply or exhaust blockage failure.                                                                                              | Check that nothing is blocking the air intake or exhaust.                                             |
| LC                | -                 | Scale build-up (in heat exchanger) failure.                                                                                          | Call service center.                                                                                  |

PLEASE NOTE REPLACEMENT POWER CORD FOR THIS APPLIANCE CAN BE OBTAINED FROM THE ETERNITY SERVICE DEPARTMENT TELEPHONE 1300367565

PLEASE NOTE ONLY AUTHORISED PERSONS ARE TO PERFORM SERVICE WORK ON THIS APPLIANCE FAILURE TO OBSERVE THIS CONDITION WILL VOID THE WARRANTY AND COULD MAKE THE APPLIANCE UNSAFE.

### SCHEDULED SERVICE PERIODS

This water heater requires scheduled maintenance at regular 12 monthly periods to obtain the maximum service life and safe operation.

# WARRANTY CONDITIONS

## Eternity Continuous Flow

1. All Eternity water heaters must be installed by a Licensed installer.
2. Only Authorised personnel must Install, Commission or Service Eternity water heaters.
3. All Eternity water heaters must be installed in accordance with Manufacturer's Installation Instructions and in Accordance with local regulations, municipal building codes and current AS/NZS3000, AS/NZS3500, AS 3498 and AS5601.
4. If the Eternity water heater has not been installed in accordance with Manufacturer's Installation Instructions or installed as to be easily accessible for servicing, a service charge may apply.
5. Where a component may have failed under warranty and is replaced, the component replaced will only be covered by the warranty for the balance of the appliance warranty period.
6. Water Quality must be within limits specified in table below.

| pH         | Sodium                    | TDS<br>(Total Dissolved Solids) | Chlorides                 | Iron                    | Magnesium                | Alkalinity<br>(as CaCO <sub>3</sub> ) | Dissolved<br>(free) CO <sub>2</sub> | Total<br>Hardness<br>CaCO <sub>3</sub> |
|------------|---------------------------|---------------------------------|---------------------------|-------------------------|--------------------------|---------------------------------------|-------------------------------------|----------------------------------------|
| 6.5 to 8.5 | Up to 150 mg/litre or ppm | Up to 600 mg/litre or ppm       | Up to 300 mg/litre or ppm | Up to 1 mg/litre or ppm | Up to 10 mg/litre or ppm | Up to 200 mg/litre or ppm             | Up to 25 mg/litre or ppm            | Up to 200 mg/litre or ppm              |

### The warranty will be rendered void in the following circumstances:

1. Failure due to misuse, Acts of God, accidental damage, installation by an installer who is not unauthorised to install an Eternity water heater or incorrect installation and attempts to repair Eternity by an unqualified person.
2. Repairs and service carried out by a person who is not a Qualified Service Person or Authorised Service Agent.
3. Faults caused by incorrect installation, water problems, electricity supply and or gas supply.

### The warranty does not cover the following:

4. Subject to any statutory provisions to the contrary, claims for damages to walls, foundations etc or any other consequential loss caused either directly or indirectly by leakage from the water heater or any other faults.
5. Warranty does not cover any faults that may arise from connecting to a water source that is unfiltered such as dams, bores, rivers etc.

Eternity does not accept liability for consequential damage or any incidental expenses resulting from any breach of the Warranty.

## Warranty Terms

Eternity Water Heaters are covered by Eternity for any cost of labour and parts in the event of a component failure due to any defects that may arise either from workmanship and or faulty material.

The Warranty commences on the date of Installation:

| Domestic Appliance     | Eternity Product |          |
|------------------------|------------------|----------|
| Heat Exchanger         | Parts            | 10 Years |
|                        | Labour           | 3 Years  |
| All Other Parts        | Parts            | 3 Years  |
|                        | Labour           | 3 Years  |
| Commercial Application | Eternity Product |          |
| Heat Exchanger         | Parts            | 5 Years  |
|                        | Labour           | 1 Year   |
| All Other Parts        | Parts            | 1 Year   |
|                        | Labour           | 1 Year   |

### Definition of Domestic Use:

1. Units installed in any domestic dwelling.
2. Units installed in any gas boosted solar system in a domestic dwelling.
3. Units used in any household applications.

### Definition of Commercial Use:

1. Units supplying kitchen areas used for bulk food preparation.
2. Units used in industrial or bulk heating processors and hydronic heating installations.
3. Units used as bulk central heating systems and flow and return systems.

Please contact your ETERNITY office for full warranty conditions  
On 1300 367 565 for all Warranty and Service information.